

# Simona Fantacci

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108  
papers

9,855  
citations

44  
h-index

99  
g-index

110  
ext. papers

10,342  
ext. citations

6.7  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
108	Modelling the Interaction between Carboxylic Acids and Zinc Oxide: Insight into Degradation of ZnO Pigments. <i>Molecules</i> , <b>2022</b> , 27, 3362	4.8	0
107	Influence of surfactants in improving degradation of polluting dyes photocatalyzed by TiO <sub>2</sub> in aqueous dispersion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 418, 113342	4.7	2
106	First member of an appealing class of cyclometalated 1,3-di-(2-pyridyl)benzene platinum(II) complexes for solution-processable OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7873-7881	7.1	12
105	A combined theoretical and experimental investigation of the electronic and vibrational properties of red lead pigment. <i>Journal of Cultural Heritage</i> , <b>2020</b> , 46, 374-381	2.9	4
104	A Chiral Bis(salicylaldiminato)zinc(II) Complex with Second-Order Nonlinear Optical and Luminescent Properties in Solution. <i>Inorganics</i> , <b>2020</b> , 8, 25	2.9	9
103	Perylenetetracarboxy-3,4:9,10-diimide derivatives with large two-photon absorption activity. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 1885-1893	3.6	4
102	Ab Initio Modeling of Solar Cell Dye Sensitizers: The Hunt for Red Photons Continues. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 743-750	2.3	5
101	Interface Electrostatics of Solid-State Dye-Sensitized Solar Cells: A Joint Drift-Diffusion and Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 14955-14963	3.8	5
100	Towards efficient sustainable full-copper dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2019</b> , 48, 9703-9711	4.1	31
99	Novel cyclometalated 5- $\pi$ -delocalized donor-1,3-di(2-pyridyl)benzene platinum(ii) complexes with good second-order nonlinear optical properties. <i>Dalton Transactions</i> , <b>2018</b> , 48, 202-208	4.3	8
98	Photochemistry of Artists' Dyes and Pigments: Towards Better Understanding and Prevention of Colour Change in Works of Art. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7324-7334	16.4	29
97	Design of cyclometalated 5- $\pi$ -delocalized donor-1,3-di(2-pyridyl)benzene platinum(II) complexes with second-order nonlinear optical properties. <i>Polyhedron</i> , <b>2018</b> , 140, 74-77	2.7	9
96	Zur Photochemie von Künstlerfarben: Strategien zur Verhinderung von Farbveränderungen in Kunstwerken. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7447-7457	3.6	1
95	From Blue to Green: Fine-Tuning of Photoluminescence and Electrochemiluminescence in Bifunctional Organic Dyes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 2060-2069	16.4	48
94	Designing Squaraines to Control Charge Injection and Recombination Processes in NiO-based Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , <b>2017</b> , 10, 2385-2393	8.3	18
93	Tuning the dipolar second-order nonlinear optical properties of 5- $\pi$ -delocalized-donor-1,3-di(2-pyridyl)benzenes, related cyclometalated platinum(ii) complexes and methylated salts. <i>Dalton Transactions</i> , <b>2017</b> , 46, 1179-1185	4.3	10
92	Cobalt Polypyridyl Complexes as Transparent Solution-Processable Solid-State Charge Transport Materials. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600874	21.8	17

91	Geometrical and energetical structural changes in organic dyes for dye-sensitized solar cells probed using photoelectron spectroscopy and DFT. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 252-60	3.6	23
90	Novel Fullerene Platinum Alkynyl Complexes with High Second-Order Nonlinear Optical Properties as a Springboard for NLO-Active Polymer Films. <i>Organometallics</i> , <b>2016</b> , 35, 1015-1021	3.8	18
89	Structural and electronic properties of the PbCrO <sub>4</sub> chrome yellow pigment and of its light sensitive sulfate-substituted compounds. <i>RSC Advances</i> , <b>2016</b> , 6, 36336-36344	3.7	17
88	DFT/TDDFT investigation on the UV-vis absorption and fluorescence properties of alizarin dye. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 6374-82	3.6	33
87	Time-Dependent Density Functional Theory Modeling of Spin-Orbit Coupling in Ruthenium and Osmium Solar Cell Sensitizers. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 17067-17078	3.8	40
86	Impact of Spin-Orbit Coupling on Photocurrent Generation in Ruthenium Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 375-80	6.4	27
85	Theoretical studies on anatase and less common TiO <sub>2</sub> phases: bulk, surfaces, and nanomaterials. <i>Chemical Reviews</i> , <b>2014</b> , 114, 9708-53	68.1	310
84	Electronic and optical properties of dye-sensitized TiO <sub>2</sub> interfaces. <i>Topics in Current Chemistry</i> , <b>2014</b> , 347, 1-45		16
83	Design of Ru(II) sensitizers endowed by three anchoring units for adsorption mode and light harvesting optimization. <i>Thin Solid Films</i> , <b>2014</b> , 560, 86-93	2.2	7
82	A computational approach to the electronic, optical and acid-base properties of Ru(II) dyes for photoelectrochemical solar cells applications. <i>Polyhedron</i> , <b>2014</b> , 82, 88-103	2.7	2
81	Protic ionic liquids as p-dopant for organic hole transporting materials and their application in high efficiency hybrid solar cells. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13538-48	16.4	131
80	A simple synthetic route to obtain pure trans-ruthenium(II) complexes for dye-sensitized solar cell applications. <i>ChemSusChem</i> , <b>2013</b> , 6, 2170-80	8.3	24
79	Modeling Excited States and Alignment of Energy Levels in Dye-Sensitized Solar Cells: Successes, Failures, and Challenges. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 3685-3700	3.8	117
78	An investigation on the second order nonlinear optical response of tris-cyclometallated Ir(III) complexes with variously substituted 2-phenylpyridines. <i>Dalton Transactions</i> , <b>2013</b> , 42, 155-9	4.3	17
77	Role of hot singlet excited states in charge generation at the black dye/TiO <sub>2</sub> interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 4334-9	9.5	23
76	Tuning the dipolar second-order nonlinear optical properties of cyclometalated platinum(II) complexes with tridentate N <sup>C</sup> N binding ligands. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9875-83	4.8	41
75	Everything you always wanted to know about black dye (but were afraid to ask): a DFT/TDDFT investigation. <i>Chimia</i> , <b>2013</b> , 67, 121-8	1.3	18
74	Discoloration of the smalt pigment: experimental studies and ab initio calculations. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2012</b> , 27, 1941	3.7	17

73	New [(D-terpyridine)-Ru-(D or A-terpyridine)][4-EtPhCO <sub>2</sub> ] <sub>2</sub> complexes (D = electron donor group; A = electron acceptor group) as active second-order non linear optical chromophores. <i>Dalton Transactions</i> , <b>2012</b> , 41, 6707-14	4.3	16
72	Influence of Donor Groups of Organic D $\pi$ A Dyes on Open-Circuit Voltage in Solid-State Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 1572-1578	3.8	59
71	DFT/TDDFT investigation of the stepwise deprotonation in tetracycline: pK <sub>a</sub> assignment and UV-Vis spectroscopy. <i>Theoretical Chemistry Accounts</i> , <b>2012</b> , 131, 1	1.9	13
70	Computational Investigations on Organic Sensitizers for Dye-Sensitized Solar Cell. <i>Current Organic Synthesis</i> , <b>2012</b> , 9, 215-232	1.9	18
69	Panchromatic ruthenium sensitizer based on electron-rich heteroarylvinylene $\pi$ -conjugated quaterpyridine for dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2011</b> , 40, 234-42	4.3	52
68	A computational approach to the electronic and optical properties of Ru(II) and Ir(III) polypyridyl complexes: Applications to DSC, OLED and NLO. <i>Coordination Chemistry Reviews</i> , <b>2011</b> , 255, 2704-2726	23.2	143
67	Absorption Spectra and Excited State Energy Levels of the N719 Dye on TiO <sub>2</sub> in Dye-Sensitized Solar Cell Models. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 8825-8831	3.8	200
66	Simulating Dye-Sensitized TiO <sub>2</sub> Heterointerfaces in Explicit Solvent: Absorption Spectra, Energy Levels, and Dye Desorption. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 813-817	6.4	92
65	Cyclometalated iridium(III) complexes based on phenyl-imidazole ligand. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 451-62	5.1	87
64	pH-Sensitive Bis(2,2':6',2''-terpyridine)ruthenium(II) Complexes $\pi$ A DFT/TDDFT Investigation of Their Spectroscopic Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 1605-1613	2.3	12
63	Computational Spectroscopy Characterization of the Species Involved in Dye Oxidation and Regeneration Processes in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 18863-18872	3.8	22
62	Electronic and Optical Properties of the Spiro-MeOTAD Hole Conductor in Its Neutral and Oxidized Forms: A DFT/TDDFT Investigation. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 23126-23133	3.8	115
61	Organic dyes incorporating low-band-gap chromophores based on $\pi$ -extended benzothiadiazole for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2011</b> , 91, 192-198	4.6	142
60	Theoretical and experimental investigation on the spectroscopic properties of indigo dye. <i>Journal of Molecular Structure</i> , <b>2011</b> , 993, 43-51	3.4	52
59	Complexation of apigenin and luteolin in weld lake: a DFT/TDDFT investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 6672-84	3.6	34
58	Computational chemistry meets cultural heritage: challenges and perspectives. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 802-13	24.3	45
57	First-Principles Modeling of the Adsorption Geometry and Electronic Structure of Ru(II) Dyes on Extended TiO <sub>2</sub> Substrates for Dye-Sensitized Solar Cell Applications. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 6054-6061	3.8	192
56	Highly stable 7-N,N-dibutylamino-2-azaphenanthrene and 8-N,N-dibutylamino-2-azachrycene as a new class of second order NLO-active chromophores. <i>Chemical Communications</i> , <b>2010</b> , 46, 8374-6	5.8	8

55	An inconvenient influence of iridium(III) isomer on OLED efficiency. <i>Dalton Transactions</i> , <b>2010</b> , 39, 8914-8918	4.3	34
54	Luminescent cyclometallated Ir(III) and Pt(II) complexes with beta-diketonate ligands as highly active second-order NLO chromophores. <i>Chemical Communications</i> , <b>2010</b> , 46, 2414-6	5.8	56
53	Stabilization through p-dimethylaminobenzaldehyde of a new NLO-active phase of [E-4-(4-dimethylaminostyryl)-1-methylpyridinium] iodide: synthesis, structural characterization and theoretical investigation of its electronic properties. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7652		10
52	Ab Initio Determination of Ground and Excited State Oxidation Potentials of Organic Chromophores for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22742-22750	3.8	117
51	A Joint Experimental and Theoretical Investigation on Nonlinear Optical (NLO) Properties of a New Class of PushPull Spirobifluorene Compounds. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 4004-4016	2.7	28
50	Cyclometalated Ir(III) complexes with substituted 1,10-phenanthrolines: a new class of efficient cationic organometallic second-order NLO chromophores. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 4814-25	4.8	60
49	Panchromatic cross-substituted squaraines for dye-sensitized solar cell applications. <i>ChemSusChem</i> , <b>2009</b> , 2, 621-4	8.3	49
48	Spectroscopic properties of cyclometallated iridium complexes by TDDFT. <i>Computational and Theoretical Chemistry</i> , <b>2009</b> , 914, 74-86		30
47	Cationic cyclometallated iridium(III) complexes with substituted 1,10-phenanthrolines: the role of the cyclometallated moiety on this new class of complexes with interesting luminescent and second order non linear optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2009</b> , 20, 410-454	2.1	16
46	An EFISH, Theoretical, and PGSE NMR Investigation on the Relevant Role of Aggregation on the Second Order Response in CHCl <sub>3</sub> of the PushPull Chromophores [5-[[4-(Dimethylamino)phenyl]ethynyl]-15-[[4-nitrophenyl]ethynyl]-10,20-diphenylporphyrinate] M(II) (M = Zn, Ni). <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 11131-11141	3.8	20
45	White-light phosphorescence emission from a single molecule: application to OLED. <i>Chemical Communications</i> , <b>2009</b> , 4672-4	5.8	85
44	High open-circuit voltage solid-state dye-sensitized solar cells with organic dye. <i>Nano Letters</i> , <b>2009</b> , 9, 2487-92	11.5	220
43	Absorption and emission of the apigenin and luteolin flavonoids: a TDDFT investigation. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 15118-26	2.8	70
42	Theoretical Study of the Structural and Electronic Properties of Luteolin and Apigenin Dyes. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 1141-1155	0.9	2
41	Electron-rich heteroaromatic conjugated bipyridine based ruthenium sensitizer for efficient dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2008</b> , 5318-20	5.8	101
40	Synthesis, characterization, and DFT/TD-DFT calculations of highly phosphorescent blue light-emitting anionic iridium complexes. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 980-9	5.1	212
39	Theoretical Investigations of the Effects of J-Aggregation on the Linear and Nonlinear Optical Properties of E-4-(4-Dimethylaminostyryl)-1-methylpyridinium [DAMS+]. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 1213-1226	3.8	20
38	Theoretical investigation of the structural and electronic properties of luteolin, apigenin and their deprotonated species. <i>Computational and Theoretical Chemistry</i> , <b>2008</b> , 868, 12-21		14

37	AcidBase chemistry of luteolin and its methyl-ether derivatives: A DFT and ab initio investigation. <i>Chemical Physics Letters</i> , <b>2008</b> , 462, 313-317	2.5	12
36	The role of 5-R-1,10-phenanthroline (R=CH <sub>3</sub> , NO <sub>2</sub> ) on the emission properties and second-order NLO response of cationic Ir(III) organometallic chromophores. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 4070-4076	4.7	39
35	Alignment of the dye's molecular levels with the TiO <sub>2</sub> band edges in dye-sensitized solar cells: a DFT-TDDFT study. <i>Nanotechnology</i> , <b>2008</b> , 19, 424002	3.4	230
34	Influence of the sensitizer adsorption mode on the open-circuit potential of dye-sensitized solar cells. <i>Nano Letters</i> , <b>2007</b> , 7, 3189-95	11.5	325
33	Time-dependent density functional theory investigations on the excited states of Ru(II)-dye-sensitized TiO <sub>2</sub> nanoparticles: the role of sensitizer protonation. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 14156-7	16.4	220
32	Controlling phosphorescence color and quantum yields in cationic iridium complexes: a combined experimental and theoretical study. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 5989-6001	5.1	226
31	Time-dependent and coupled-perturbed DFT and HF investigations on the absorption spectrum and non-linear optical properties of push-pull M(II)porphyrin complexes (M=Zn, Cu, Ni). <i>Chemical Physics Letters</i> , <b>2007</b> , 447, 10-15	2.5	32
30	A high molar extinction coefficient charge transfer sensitizer and its application in dye-sensitized solar cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 185, 331-337	4.7	150
29	An integrated computational tool for the study of the optical properties of nanoscale devices: application to solar cells and molecular wires. <i>Theoretical Chemistry Accounts</i> , <b>2007</b> , 117, 1093-1104	1.9	34
28	The role of substituents on functionalized 1,10-phenanthroline in controlling the emission properties of cationic iridium(III) complexes of interest for electroluminescent devices. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 8533-47	5.1	160
27	Cyclometallated iridium(III) complexes with substituted 1,10-phenanthrolines: a new class of highly active organometallic second order NLO-phores with excellent transparency with respect to second harmonic emission. <i>Chemical Communications</i> , <b>2007</b> , 4116-8	5.8	79
26	Efficient green-blue-light-emitting cationic iridium complex for light-emitting electrochemical cells. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9245-50	5.1	183
25	A time-dependent density functional theory investigation on the nature of the electronic transitions involved in the nonlinear optical response of [Ru(CF <sub>3</sub> CO <sub>2</sub> ) <sub>3</sub> T] (T = 4N(C <sub>6</sub> H <sub>4</sub> -p-NBu <sub>2</sub> )-2,2,6,6-TMPyridine). <i>Dalton Transactions</i> , <b>2006</b> , 852-9	4.3	18
24	Electronic transitions involved in the absorption spectrum and dual luminescence of tetranuclear cubane [Cu <sub>4</sub> I <sub>4</sub> (pyridine) <sub>4</sub> ] cluster: a density functional theory/time-dependent density functional theory investigation. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 10576-84	5.1	200
23	Synthesis, characterization, and DFT-TDDFT computational study of a ruthenium complex containing a functionalized tetradentate ligand. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 4642-53	5.1	147
22	Molecular engineering of organic sensitizers for solar cell applications. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16701-7	16.4	728
21	Ab initio molecular dynamics simulations of organometallic reactivity. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 1497-1513	23.2	24
20	Photophysical properties of [Ru(phen) <sub>2</sub> (dppz)] <sup>2+</sup> intercalated into DNA: an integrated Car-Parrinello and TDDFT study. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 14144-5	16.4	109

19	Intramolecular Coupling of $\alpha$ -Iminoacyls on Zirconium Bis(aryloxides) and Calix[4]arenes: Revised Mechanism by DFT Calculations and CarParrinello Molecular Dynamics Simulations. <i>Organometallics</i> , <b>2005</b> , 24, 1867-1875	3.8	9
18	Combined experimental and DFT-TDDFT computational study of photoelectrochemical cell ruthenium sensitizers. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 16835-47	16.4	2503
17	Time dependent density functional theory study of the absorption spectrum of the [Ru(4,4'-COOEt-2,2'-bpy) <sub>2</sub> (X) <sub>2</sub> ] <sub>4</sub> (X = NCS, Cl) dyes in water solution. <i>Chemical Physics Letters</i> , <b>2005</b> , 415, 115-120	2.5	86
16	Mechanism of the initial conformational transition of a photomodulable peptide. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 6077-81	16.4	13
15	Mechanism of the Initial Conformational Transition of a Photomodulable Peptide. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 6231-6235	3.6	2
14	Time-dependent density functional theory study of the absorption spectrum of [Ru(4,4'-COOH-2,2'-bpy) <sub>2</sub> (NCS) <sub>2</sub> ] in water solution: influence of the pH. <i>Chemical Physics Letters</i> , <b>2004</b> , 389, 204-208	2.5	118
13	A TDDFT study of the ruthenium(II) polycyclic aromatic complex [Ru(dppz)(phen) <sub>2</sub> ] <sup>2+</sup> in solution. <i>Chemical Physics Letters</i> , <b>2004</b> , 396, 43-48	2.5	81
12	A combined computational and experimental study of polynuclear Ru-TPPZ complexes: insight into the electronic and optical properties of coordination polymers. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9715-23	16.4	78
11	CASPT2//CASCF and TDDFT//CASCF Mapping of the Excited State Isomerization Path of a Minimal Model of the Retinal Chromophore. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 1208-1213	2.8	79
10	The migratory insertion of carbon monoxide and methyl isocyanide into zirconium-carbon and titanium-carbon bonds anchored to a calix[4]arene moiety: a dynamical density functional study. <i>Theoretical Chemistry Accounts</i> , <b>2003</b> , 110, 196-204	1.9	9
9	Absorption spectrum and solvatochromism of the [Ru(4,4'-NCOOH-2,2'-bpy) <sub>2</sub> (NCS) <sub>2</sub> ] molecular dye by time dependent density functional theory. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 4381-7	16.4	289
8	A Dynamic Density Functional Study of the Stepwise Migratory Insertion of Isocyanides into Zirconium-Carbon Bonds Anchored to a Calix[4]arene Moiety. <i>Organometallics</i> , <b>2002</b> , 21, 4090-4098	3.8	6
7	A density functional study of ethylene rearrangements assisted by tungsten calix[4]arenes. <i>Dalton Transactions RSC</i> , <b>2001</b> , 1718-1725		8
6	Dynamical Density Functional Study of the Multistep CO Insertion into Zirconium-Carbon Bonds Anchored to a Calix[4]arene Moiety. <i>Organometallics</i> , <b>2001</b> , 20, 4031-4039	3.8	12
5	Density functional study of tetraphenolate and calix[4]arene complexes of early transition metals. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 1544-9	5.1	10
4	Why does {p-But-calix[4]-(OMe) <sub>2</sub> (O) <sub>2</sub> ZrCl <sub>2</sub> } distort away from C <sub>2v</sub> symmetry?. <i>Chemical Physics Letters</i> , <b>1999</b> , 315, 145-149	2.5	1
3	Inertness of the Aryl-Bond toward Oxidative Addition to Osmium and Rhodium Complexes: Thermodynamic or Kinetic Origin?. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 12634-12640	16.4	83
2	Theoretical study of the metathesis-like reaction between ditungsten hexaalkoxides and alkynes. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 3845-3852		9

- 1 Oligomerization of the  $\text{PH}(3)\text{CuC}\equiv\text{CCuPH}(3)$  Acetylide toward the Formation of  $(\text{PH}(3)\text{CuC})_n$  ( $n = 4, 6, 8$ ) Metal Carbides: A Theoretical Study Based on Density Functional Theory. *Inorganic Chemistry*, **1997**, 36, 2018-2022

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